

# **EXHIBIT H**

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## H-5926

### Hepcidin-25 (human)

H-Asp-Thr-His-Phe-Pro-Ile-Cys-Ile-Phe-Cys-Cys-Gly-Cys-Cys-His-Arg-Ser-Lys-Cys-Gly-Met-Cys-Cys-Lys-Thr-OH

(Disulfide bonds between Cys<sup>7</sup> and Cys<sup>23</sup>/Cys<sup>10</sup> and Cys<sup>13</sup>/Cys<sup>11</sup> and Cys<sup>19</sup>/Cys<sup>14</sup> and Cys<sup>22</sup>)

Trifluoroacetate salt

#### Links / Documents:

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**Item Number** 4040671

**One Letter Code** DTHFPICIFCCGCCHRSKCGMCCKT

#### Synonyms

LEAP-1 (human), Hepc25 (human), Liver-Expressed Antimicrobial Peptide (human), PLTR (human).

Putative Liver Tumor Regressor (human)

**Molecular Formula** C<sub>113</sub>H<sub>170</sub>N<sub>24</sub>O<sub>31</sub>S<sub>9</sub>      **Relative Molecular Mass** 2789.40

**CAS Registry Number** [342790-21-0] net

**Source** Synthetic

**Storage Conditions** -20 ± 5 °C

#### Keywords

Principal iron-regulatory hormone; Antimicrobial peptide

#### Description

Hepcidin-25 (hepcidin-25) is a 25-residue peptide that has been independently discovered by two groups in human blood ultrafiltrate and urine. The peptide which is predominantly expressed in the liver, belongs to a new vertebrate family of small antimicrobial peptides that contain 8 cysteine residues and show significant antibacterial and antifungal activity. Further investigations revealed that hepcidin is the principal iron-regulatory hormone in humans. It acts by binding to the iron exporter ferroportin, inducing its internalization and degradation, thereby blocking cellular iron efflux. Nemeth et al. demonstrated that the N-terminal part of the peptide hormone is essential for its activity.

#### References

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#### Areas of Interest

Antimicrobial & Antiviral Peptides, Hematology